STATISTICS WORKSHEET-5

**Q1 to Q10 are MCQs with only one correct answer. Choose the correct option.**

1. Using a goodness of fit, we can assess whether a set of obtained frequencies differ from a set of frequencies.
   1. Mean
   2. Actual
   3. Predicted
   4. Expected

**Answer is - Expected**

1. Chi-square is used to analyze
   1. Score
   2. Rank
   3. Frequencies
   4. All of these

**Answer is - Frequencies**

1. What is the mean of a Chi Square distribution with 6 degrees of freedom?
   1. 4
   2. 12
   3. 6
   4. 8

**Answer is - 6**

1. Which of these distributions is used for a goodness of fit testing?
   1. Normal distribution
   2. Chi-square distribution
   3. Gamma distribution
   4. Poisson distribution

**Answer is – Chi-square distribution**

1. Which of the following distributions is Continuous
   1. Binomial Distribution
   2. Hypergeometric Distribution
   3. F Distribution
   4. Poisson Distribution

**Answer is – F distribution**

1. A statement made about a population for testing purpose is called?
   1. Statistic
   2. Hypothesis
   3. Level of Significance
   4. Test Statistic

**Answer is – Test Statistic**

1. If the assumed hypothesis is tested for rejection considering it to be true is called?
   1. Null Hypothesis
   2. Statistical Hypothesis
   3. Simple Hypothesis
   4. Composite Hypothesis

**Answer is- Null Hypothesis**

1. If the Critical region is evenly distributed then the test is referred as?
   1. Two tailed
   2. One tailed
   3. Three tailed
   4. Zero tailed

**Answer is-Two tailed**

1. Alternative Hypothesis is also called as?
   1. Composite hypothesis
   2. Research Hypothesis
   3. Simple Hypothesis
   4. Null Hypothesis

**Answer is -** Research **Hypothesis**

1. In a Binomial Distribution, if ‘n’ is the number of trials and ‘p’ is the probability of success, then the mean value is given by **b(n)**
   1. np
   2. n

**Answer is – b-(n)**

